

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET (pursuant to NAC 445A.236)

Permittee Name: Washoe County Department of Water Resources
Utility Services Division
4930 Energy Way
Reno, Nevada 89502

Permit Number: NEV2003512

Description of Discharge

Locations:

001-Damonte Ranch Common Areas: Damonte Ranch Parkway, Rio Wrangler Parkway, Pioneer Parkway, Steamboat Parkway and future roadways, and proposed parks and future schools, Sections 10, 15, 16, 21 and 22 T. 18N., R. 20E., MDB&M

002-Bishop Manogue High School
110 Bishop Manogue Drive
Section 17, T.18N., R. 20E.
MDB&M.

003-Damonte Ranch High School
8600 Rio Wrangler Parkway
Section 14, T. 18N., R. 20E., MDB&M

004-Damonte Ranch & Field Creek Truck Fill Stations for construction and dust control at approved sites Sections 16, 19 Respectively, T. 18N, R. 20E.

Latitude: 39° 25' 57"N; Longitude: 119° 43' 18"W
Washoe County, Nevada

Characteristics: The permit is for the reuse of tertiary treated denitrified, filtered and disinfected effluent for use in irrigation of open space, common areas-roadway median landscaping, and for turf grass and landscape plant materials at the above cited locations in Damonte Ranch and adjacent areas. Irrigation will be via spray, drip and subsurface irrigation depending on the site specific uses. Truck fill sites are to be managed by the permittee for dust control and construction.

Flow: 1.5 MGD 30-Day Average. Fees are based on this flow.

Quantities: Annual application volume is 370 acre feet per year(AC/FT), (75 AF/YR on approximately 20 acres at Damonte Ranch High School; 57 AF/YR on 15 acres at Bishop Manogue High School; 100 AF/YR on about 29 acres of roadside and median roadway landscape plus an additional 138 AF/YR has been estimated for 126 acres of proposed parks, trails and open space). Effluent is denitrified to less than 10 mg/L total Nitrogen. Truck fill sites are metered separately by the Permittee, and are not included in the quantities.

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General: Domestic and commercial wastewater is treated to tertiary standards at the South Truckee Meadows Water Reclamation Facility (NEV40024). Effluent is supplied by 12 inch and 8 inch county owned pipelines from the Field Creek and Huffaker Storage Reservoirs to the proposed effluent reuse sites described above for varied irrigation uses, and for construction and dust control. The permit is for a five (5) year period.

Receiving Water Characteristics: The receiving waters are the groundwaters underlying the reuse sites. The shallow groundwater aquifer is dominated by infiltration from irrigation and recharge from precipitation and seasonal runoff from snowmelt from contributing Thomas and White's Creek watersheds that drain to the valley floor and to the wetland areas of the South Truckee Meadows. The shallow aquifer fluctuates seasonally and overlies confining layers that restrict movement into the deeper aquifers. This shallow aquifer is of poor quality and is not used for drinking water.

Procedures for Public Comment:

The notice of the Division's intent to issue this permit authorizing the use of treated effluent for landscape and open space irrigation and other approved uses is subject to the conditions contained within the permit and the Effluent Management Plans, is being sent to the **Reno Gazette-Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice, by January 20, 2004. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of U.S. EPA Region IX or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing scheduled by the Administrator must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Effluent Limitations, Schedule of Compliance and Special Conditions

The discharge shall be limited and monitored by the permittee as specified below:

TABLE I.1

| <u>PARAMETERS</u> | <u>EFFLUENT DISCHARGE LIMITATIONS</u> | | <u>MONITORING REQUIREMENTS</u> | |
|--|---|---------------------------------------|---------------------------------------|--------------------------------------|
| | 30-Day Average (Seasonal) | Monthly Maximum (seasonal) | Measurement Frequency | Sample Type |
| Flow Million Gallons per Month (MGM) Each Outfall | Monitor & Report | Monitor & Report | Continuous | Flow meter |
| Annual Application Volume (AF/YR): Total and each Outfall | 370 Acre-Feet/Year Total 001-138 AC-FT/YR 002-57 AC-FT/YR 003-75 AC-FT/YR 004-Monitor & Report | | Cumulative Each load | Flow Meter calculate |
| Fecal Coliform¹ | 2.2 (CFU/ MPN)/100 ml | 23 (CFU/ MPN)/100 ml | Weekly | Discrete |
| Total Coliform² | 2.2 (CFU/ MPN)/100 ml | 23 (CFU/ MPN)/100 ml | Weekly | Discrete |

1. Sample results to be obtained from NEV40024 and reported by Permittee.

2. South Truckee Meadows Water Reclamation Facility is planning to upgrade their effluent quality to Total Coliform 2.2 or less in the near future, and at that time monitoring for total coliform will be required.

Schedule of Compliance:

The Master Effluent Management Plan (EMP) along with individual chapters for the individual sites shall be submitted to the Division within 90 days of permit issuance. The EMP shall be stamped and signed by a Nevada Registered Engineer, and submitted to NDEP. **The Permittee shall not apply effluent prior to having an approved EMP per NAC 445A.275, unless under terms of a temporary permit or as authorized otherwise by the Division.**

Prior to effluent reuse at the listed sites, the Permittee shall submit the cross-connection control documentation required by part I.B.11.

Rationale for Permit Requirements

Monitoring is required to document the effluent quality being provided and to ensure application volumes are not exceeded.

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Proposed Determination

The Division has made the tentative determination to issue the proposed permit.

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October, 2003 revised December, 2003